How To Set Up and Use An Air Compressor ?

Air compressors are tools that have multiple uses. They are normally used in homes as well as in garages. Compressed air is often required to run a power tool.

Whether the power tool happens to be a stapler or grinder or even a nail gun, air compressors will be needed to help run these tools.

Air compressors are also used to power up paint sprayers and they can also help to inflate tires. Before using this tool, it has to be set up in the proper manner. Proper set up will ensure that the compressor can be operated in a safe manner.

DEWALT D55146 4-1/2-

This is important because there are many dangers associated with compressed air, which means that if the compressor is used in an improper manner there is a risk that the operator can accidentally hurt himself or herself.

Gallon 200-PSI

Before setting up the air compressor it is necessary to have a few essential items on hand. These essential items include air compressor oil, ball valve, pipe nipples, pipe thread Teflon tape and an air hose as well as air tools.

Finally, you also need a pipe wrench. Armed with these items, you can set about setting up the air compressor. Here is a look at how you can set up an air compressor:

Step 1

Start by placing the air compressor in an area where there is no fragments or dust. This is important because even though air compressors have their own air filters it is important to ensure that it is operated in an environment where there is minimal or n fragments or dust.

Operating the unit where there are fragments and dust will lead to clogging of the filter and subsequent damage to the unit's parts and components.

Step 2

After placing the unit where the environment is free of dust and debris, one has to connect the unit to an electrical outlet, which should supply a desired voltage. Different sized air compressors run on different voltage.

However, it is safe to say that most air compressors will work on fifteen-ampere outlets. If in doubt, be sure to check the service plate, which will state what voltage is required to safely operate the air compressor.

Step 3

If need be, put some oil into the unit. Once the oil indicator shows that the oil has been filled to capacity you can stop pouring oi Of course, not all air compressors work on oil. So, if yours does not need oil you can skip this step.

Step 4

An air compressor normally has a discharge port into which a shutoff ball valve needs to be installed. If the port happens to be female then it may require installing a small sized pipe nipple in between. The valve should be securely tightened with the help of pipe wrench.

Step 5

Now it is time to connect the air compressor to the desired power tool. The two can be connected with the help of a special hose.

Step 6

Make sure that the drain valve, which is,located underneath the air compressor is properly shut. Next, switch off the valve on the discharge port and then switch on the air compressor and let it run till it has filled up.

Step 7

Adjust the regulator , which controls the air pressure on the air compressor to a proper setting.

Step 8

Now, switch on the valve on the discharge port and make sure that your tool is fully functional.

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Now that the air compressor has been set up it is time to find out how to use it with an air-compressed tool. Before using the ai compressor, you need to familiarize yourself with the various parts of the air compressor. This is very important if you have never used an air compressor before.

After setting up the air compressor, you need to switch off the power, which you can do by rotating the switch in a clockwise direction. Next, take the hose and connect it to the airline outlet on the air compressor. Now, it is safe to connect the air tool which can be anything including a pressure gauge or blowgun or even a tire inflator.

Connect the air compressor to the air-compressed tool and switch it on. After the air compressor has been switched on it is time to adjust the working pressure of the air-compressed tool.

Now, connect the air compressor to the mains. Once this is done, the air compressor will start filling the tank with air. Once a pre-determined air pressure has been achieved the air compressor will automatically switch itself off.

As soon as it switches off, the air compressor is ready for use. To use the air compressor, you will need to start by making

adjustments to the air-compressed tool so that it is ready to release air pressure. Keep the trigger pressed so that the compressed air keeps flowing non-stop through the air-compressed tool.

If all the air has been used up, it is time to refill the air. On the other hand, there could be instances when the compressed air that is being blown into an object is not enough to achieve an objective. In such a case, you need to allow the air compressor to sit idle for some time until a noise indicates that the air compressor has started filling more air.

Once enough air has been refilled, the air compressor will automatically switch itself off. In this way, one can use the air compressor with a power tool till it is no longer required.

Once the job has been completed, you need to switch off the air compressor. Be sure to rotate the power switch to the “off” position and then remove the plug from the electrical outlet. To remove whatever air is in the compressor you must release the safety relief valve.

Air compressors can be used for many different purposes. They help in blowing away dust in an AC unit and they can also be used to remove dust from refrigerators as well as from electrical fans.

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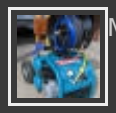
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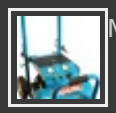
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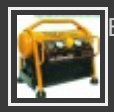
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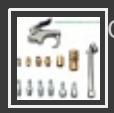
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